



STIC Search Report

EIC 1700

STIC Database Tracking Number: 101050

TO: Eisa Elhilo
Location: CP3 9D34
Art Unit : 1751
August 14, 2003

Case Serial Number: 10/052741

From: Kathleen Fuller
Location: EIC 1700
CP3/4 3D62
Phone: 308-4290

Kathleen.Fuller@uspto.gov

Search Notes



STIC Search Results Feedback Form

EIC17000

Questions about the scope or the results of the search? Contact *the EIC searcher* or contact:

Kathleen Fuller, EIC 1700 Team Leader
308-4290, CP3/4-3D62

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 1713

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC1700 CP3/4 3D62



SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: EISA ELMILO Examiner #: 78424 Date: 8/6/03
Art Unit: 1751 Phone Number 305-0217 Serial Number: 10052741
Mail Box and Bldg/Room Location: CP3/9D34 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Primary intermediates for oxidative cleavage of hair
Inventors (please provide full names): Mu-ILL Lim et al.

Earliest Priority Filing Date: 1/22/2001

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please do search on the attached formula (1)

Thank you
Examiner ELMILO
8/6/03

STAFF USE ONLY		Type of Search	Vendors and cost where applicable
Searcher: <u>X Fuller</u>	NA Sequence (#) _____	STN <u>✓ #205</u>	
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____	
Searcher Location: _____	Structure (#) <u>2</u>	Questel/Orbit _____	
Date Searcher Picked Up: _____	Bibliographic _____	Dr. Link _____	
Date Completed: <u>8/14/03</u>	Litigation _____	Lexis/Nexis _____	
Searcher Prep & Review Time: <u>20</u>	Fulltext _____	Sequence Systems _____	
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____	
Online Time: <u>20</u>	Other _____	Other (specify) _____	

=> file reg

FILE 'REGISTRY' ENTERED AT 12:12:59 ON 14 AUG 2003
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 13 AUG 2003 HIGHEST RN 566135-25-9
DICTIONARY FILE UPDATES: 13 AUG 2003 HIGHEST RN 566135-25-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STN Note 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> file hcaplus

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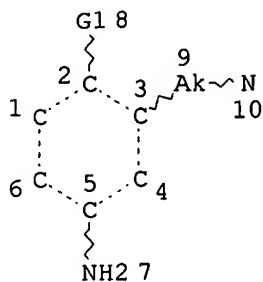
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FILE COVERS 1907 - 14 Aug 2003 VOL 139 ISS 7
FILE LAST UPDATED: 13 Aug 2003 (20030813/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> d que

L13	SCR 1568
L18	STR



623 structures from this query

VAR G1=OH/NH2

NODE ATTRIBUTES:

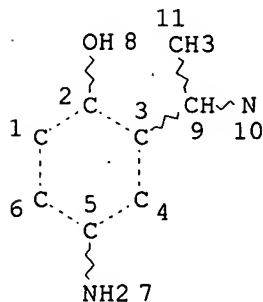
NSPEC IS RC AT 10
CONNECT IS E2 RC AT 9
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC 1
NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE

L21 623 SEA FILE=REGISTRY SSS FUL L18 AND L13
L39 STR



Subset search

11 structures

NODE ATTRIBUTES:

NSPEC IS RC AT 10
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC 1
NUMBER OF NODES IS 11

STEREO ATTRIBUTES: NONE

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L49 1 SEA FILE=HCAPLUS ABB=ON L48

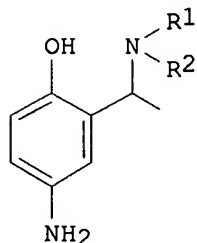
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L49 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:615368 HCAPLUS

1 CA reference applicant

DN 137:174509
 TI Aminophenol primary intermediates for oxidative coloration of hair
 IN Lim, Mu-Ill; Pan, Yuh-Guo
 PA Clairol Incorporated, USA
 SO PCT Int. Appl., 49 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM A61K007-13
 CC 62-3 (Essential Oils and Cosmetics)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002062308	A2	20020815	WO 2002-US1581	20020118
	WO 2002062308	A3	20020919		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2002144358	A1	20021010	US 2002-52741	20020118
PRAI	US 2001-263583P	P	20010123		
OS	MARPAT 137:174509				
GI					



I

AB Primary intermediates for hair coloring compns. for oxidative dyeing of hair are I: where R1, and R2 are each individually selected from H, a C1 to C3 alkyl group, a C1 to C5 mono or dihydroxyalkyl group; Ph or benzyl optionally substituted with an alkoxy group, or R1, and R2 together with the nitrogen atom to which they are attached form a piperazine, piperidine, imidazole, or morpholine ring. E.g., a combination of 4-amino-2-(1-phenylaminoethyl)phenol and 2-aminophenol are used in a hair dye.

ST amino phenol intermediate oxidative hair dye

IT Oxidizing agents
 (aminophenol primary intermediates for oxidative coloration of hair)

IT Hair preparations
 (dyes; aminophenol primary intermediates for oxidative coloration of hair)

IT 90-15-3, 1-Naphthol 95-55-6, 2-Aminophenol 95-70-5,
 2-Methylbenzene-1,4-diamine 95-88-5, 4-Chlorobenzene-1,3-diol

106-50-3, Benzene-1,4-diamine, biological studies 108-46-3, Resorcinol, biological studies 123-30-8, 4-Aminophenol 150-75-4, 4-Methylaminophenol 591-27-5, 3-Aminophenol 608-25-3, 2-Methyl-1,3-benzenediol 1004-74-6, Pyrimidinetetramine 2380-86-1, 1H-Indol-6-ol 2835-95-2, 5-Amino-2-methylphenol 2835-98-5, 2-Amino-5-methylphenol 2835-99-6, 4-Amino-3-methylphenol 7469-77-4, 2-Methyl-1-naphthol 7575-35-1 16867-03-1, 2-Amino-3-pyridinol 17672-22-9, 2-Amino-6-methylphenol 26021-57-8 41927-22-4 53222-92-7, 3-Amino-2-methylphenol 55302-96-0 70643-19-5 83763-47-7 93841-24-8, 2-(2,5-Diaminophenyl)ethanol 94082-77-6 129697-50-3 131311-66-5 155601-17-5 157469-54-0 220264-60-8 307493-94-3 329320-36-7 446265-82-3 446265-83-4 446265-84-5 446265-85-6 446265-86-7 446265-87-8 446265-88-9 446265-89-0 446265-90-3 446265-91-4 446265-92-5

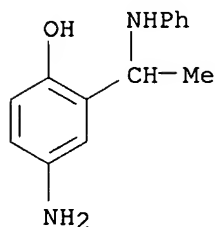
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(aminophenol primary intermediates for oxidative coloration of hair)

IT 446265-82-3 446265-83-4 446265-84-5
446265-85-6 446265-86-7 446265-87-8
446265-88-9 446265-89-0 446265-90-3
446265-91-4 446265-92-5

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(aminophenol primary intermediates for oxidative coloration of hair)

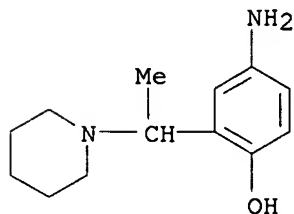
RN 446265-82-3 HCAPLUS

CN Phenol, 4-amino-2-[1-(phenylamino)ethyl]- (9CI) (CA INDEX NAME)



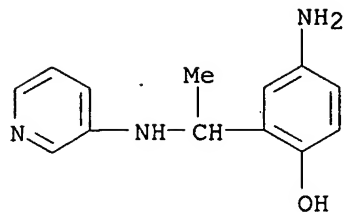
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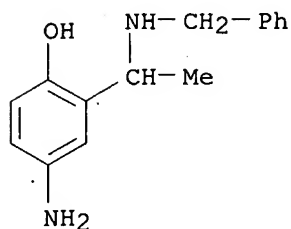
RN 446265-84-5 HCAPLUS

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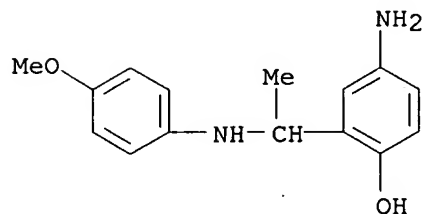
RN 446265-85-6 HCAPLUS

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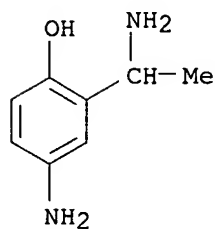
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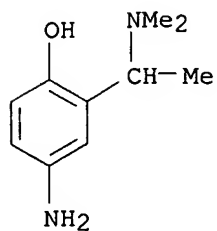
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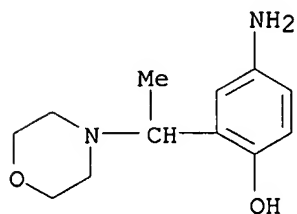
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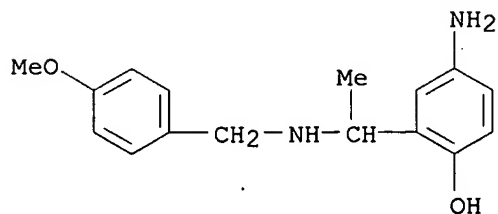
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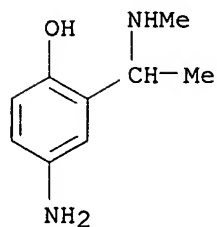
RN 446265-90-3 HCAPLUS

CN Phenol, 4-amino-2-[1-[[4-(4-methoxyphenyl)methyl]amino]ethyl]- (9CI) (CA INDEX NAME)



RN 446265-91-4 HCAPLUS

CN Phenol, 4-amino-2-[1-(methylamino)ethyl]- (9CI) (CA INDEX NAME)



RN 446265-92-5 HCAPLUS

CN Phenol, 4-amino-2-[1-[(2-hydroxyethyl)amino]ethyl]- (9CI) (CA INDEX NAME)

